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W Knap, J Lusakowski, T Parenty, S Bollaert, A ... - Applied Physics Letters, 2004 - univ-montp2.fr

... in GaAs-based **high electron mobility** transistors HEMTs and in gated double quantum ...

was chosen for its **high** InGaAs channel **mobility** and **high** sheet carrier ...

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... GHz, 1.56 THz, and 2.24 THz, respectively ... A liquid-helium-cooled isolator-coupled

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W Knap, J Lusakowski, F Teppe, N Dyakonova, Y ... - univ-montp2.fr

... by using the InGaAs **high electron mobility transistor** with the ... Lattice-matched

InGaAs/AlInAs **high electron mobility** transistors on ... of weak THz — cyclotron res ...

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... French team used a **high electron-mobility transistor** with an ... per square centimeter,

the **transistor** should be ... vices have a lower **electron mobility**, the gated ...

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F Maiwald, F Lewen, V Ahrens, M Beaky, R ... - Journal of Molecular Spectroscopy, 2000 - ph1.uni-koeln.de

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W Knap, J Lusakowski, T Parenty, S Bollaert, A ... - Applied Physics Letters, 2004 - univ-montp2.fr

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... essentially a modified version of the Cologne **terahertz spectrometer** (13), however ... and amplified with a low-noise **high- electron mobility transistor** (HEMT) and ...[Web Search](#)




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... Lattice-matched InGaAs/AlInAs **high electron mobility** transistors on InP ... under the gate, by the **electron** drift velocity, and ... still holds and a **high** field region ...

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... Abstract. We develop a device model for a **high-electron-mobility transistor**